

RPES8244

Product Information

Product SKU:	RPES8244	Expression Host:	E.coli	Size:	20µg
Tag:	N-Sumo	Reactivity:	Rat	Accession:	P97885

Additional Information

Calculated MW:	21.7 kDa	Observed MW:	29 kDa
Sequence:	Ala38-Lys117		

Protein Information

Background: CXCL5 is a small cytokine belonging to the CXC chemokine family. CXC chemokines are particularly significant for leukocyte infiltration in inflammatory diseases. CXCL5 is produced following stimulation of cells with the inflammatory cytokines interleukin-1 or tumor necrosis factor-alpha. It also can be detected in eosinophils, and can be inhibited with the type II interferon. CXCL5 plays a role in reducing sensitivity to sunburn pain in some subjects, and is a potential target which can be utilized to understand more about pain in other inflammatory conditions like arthritis and cystitis. It stimulates the chemotaxis of neutrophils possesses angiogenic properties. It elicits these effects by interacting with the cell surface chemokine receptor CXCR2.

Synonyms: Scyb, Small-inducible cytokine B, Cxcl, Cytokine LIX, LIX, Small-inducible cytokine B5, Scyb5, Cxcl5, Scyb5

Endotoxin: < 10 EU/mg of the protein as determined by the LAL method

Formulation: Lyophilized from a 0.2 µm filtered solution in PBS with 5% Trehalose and 5% Mannitol.

Purity: > 90% as determined by reducing SDS-PAGE.

Bio-Activity: Not validated for activity

Storage: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

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